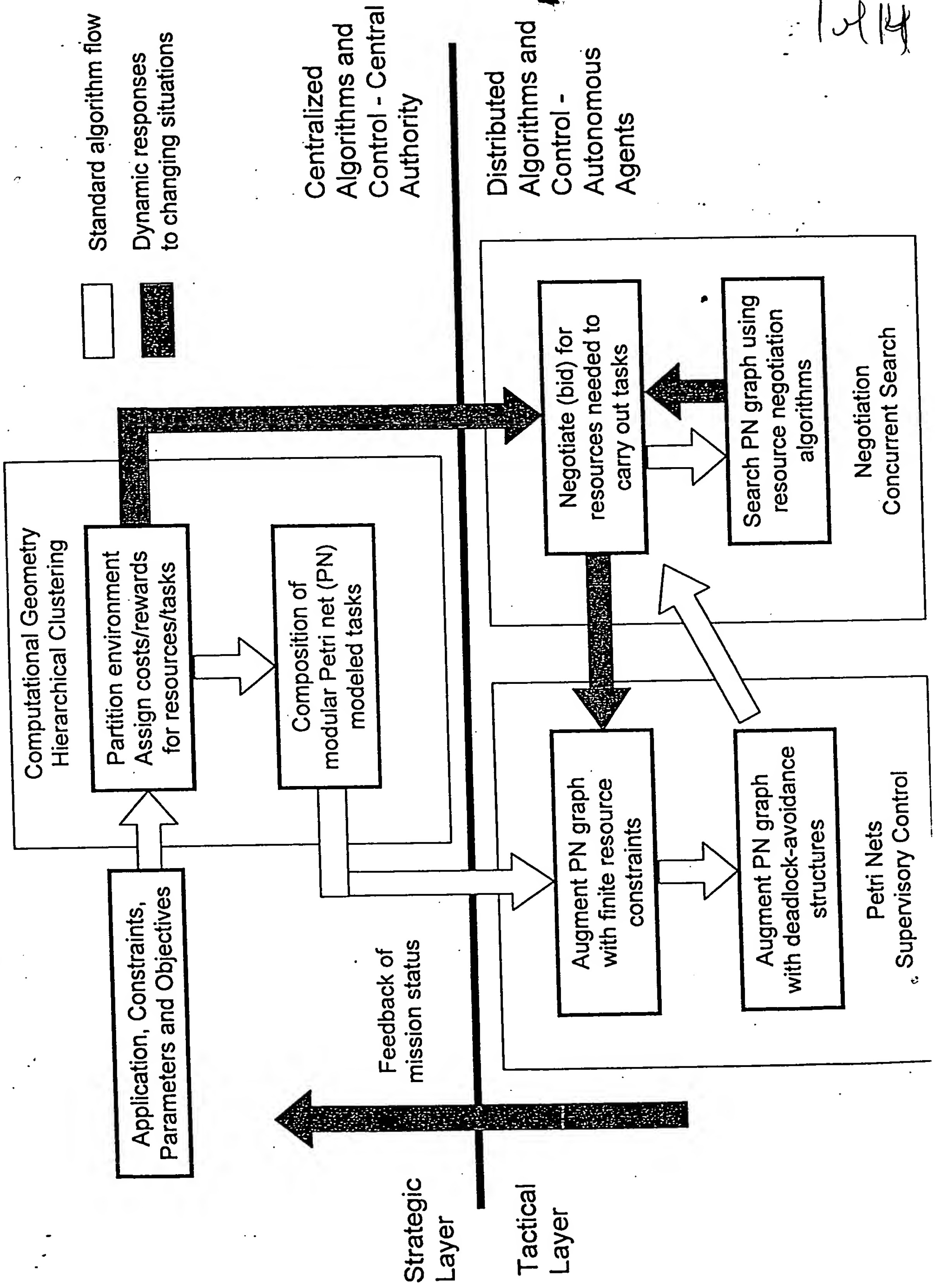


Fig. / High Level Architecture View and Algorithm Flow



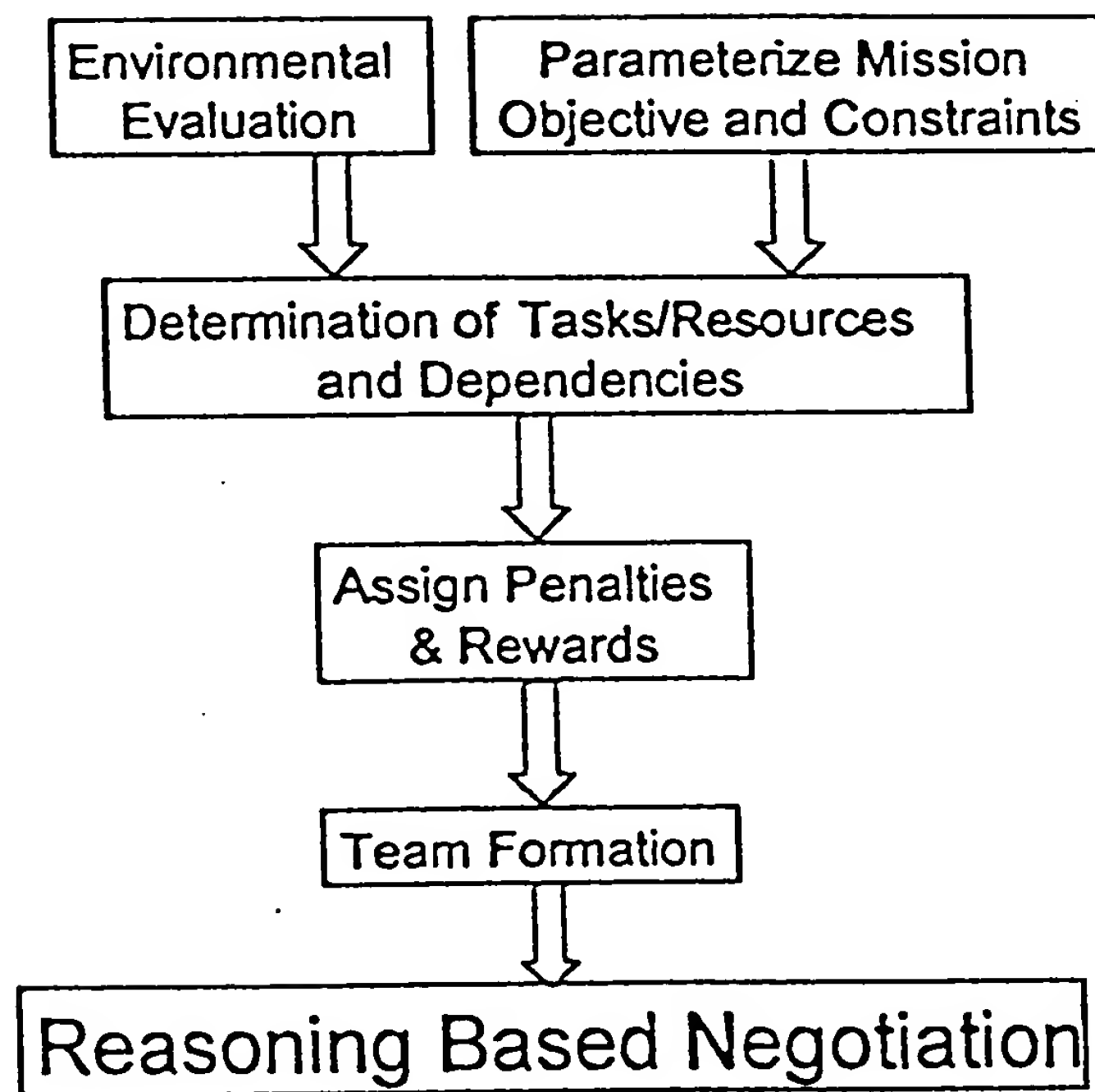


Fig 2

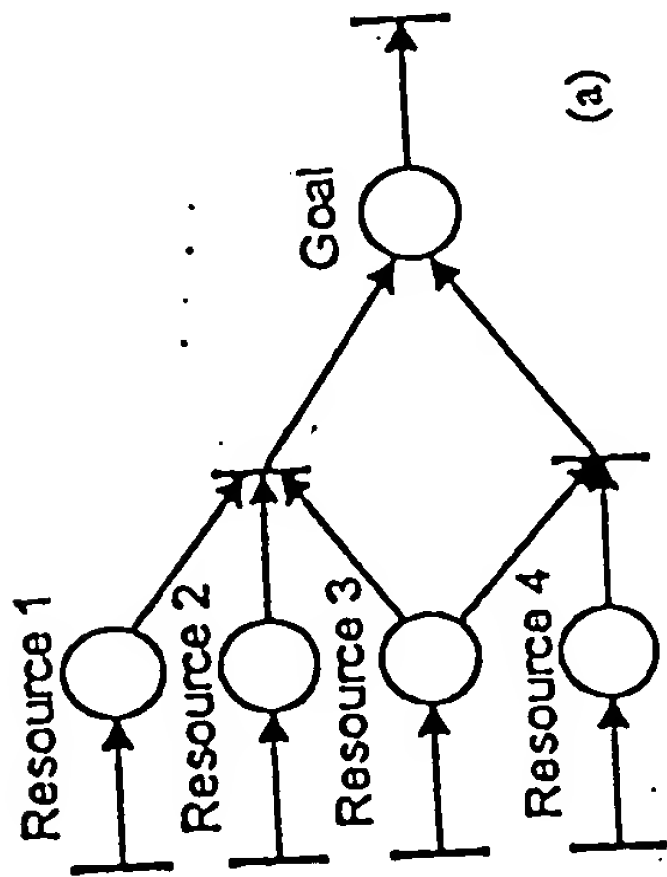


Fig 3(a)

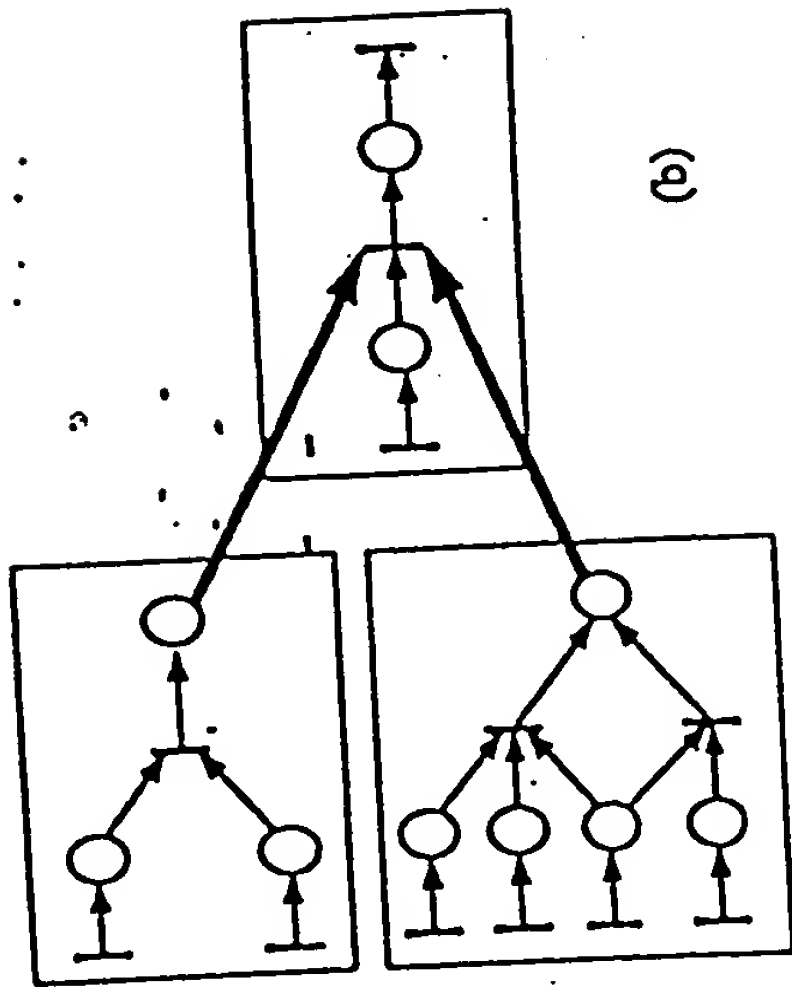


Fig 3(b)

FIG 4(a) is a Petri net diagram showing a system with two resources, Resource 1 and Resource 2, and two goals, Goal 1 and Goal 2. The diagram illustrates the flow of tokens and the relationships between the resources and goals.

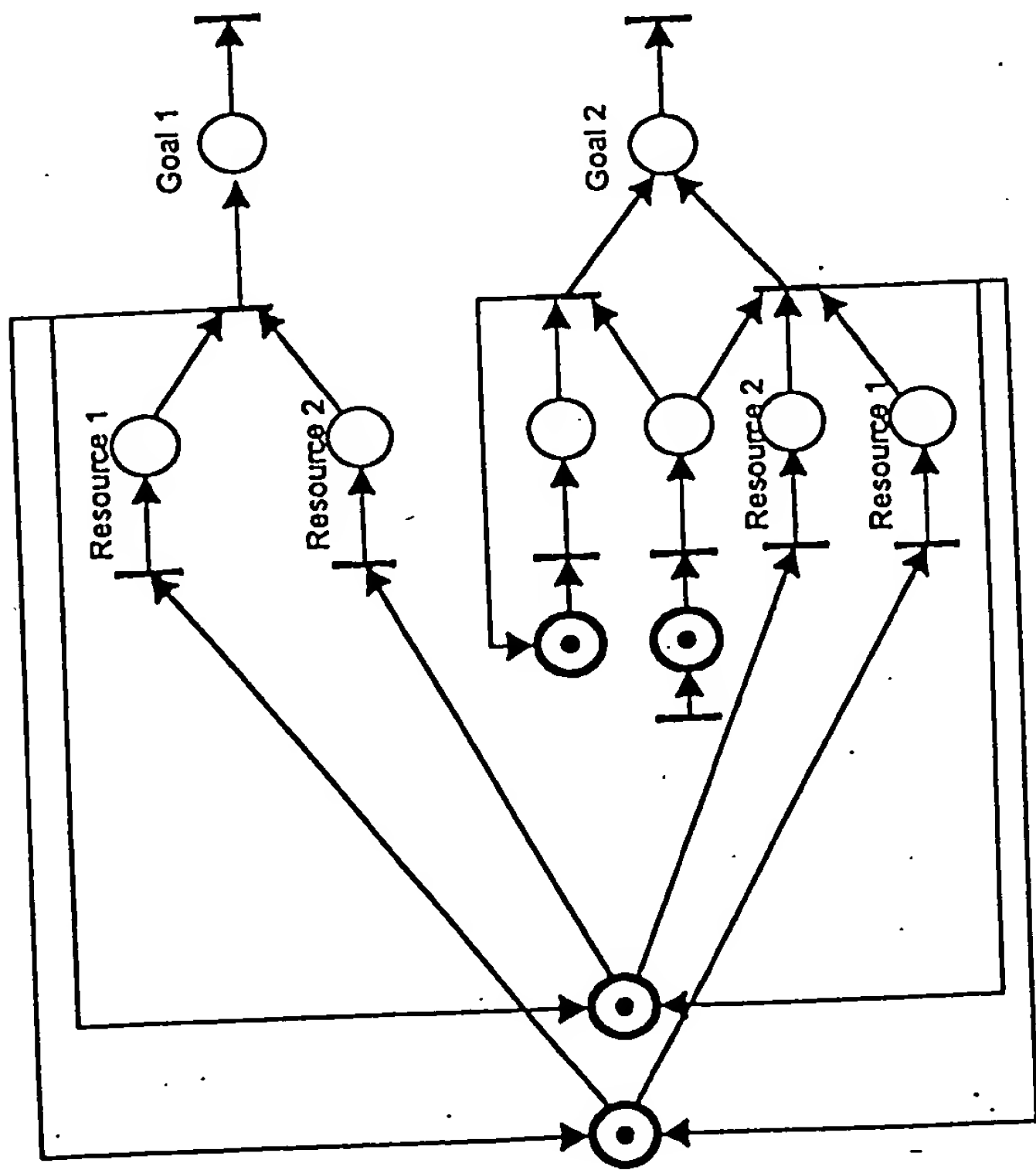


Fig 4(a)

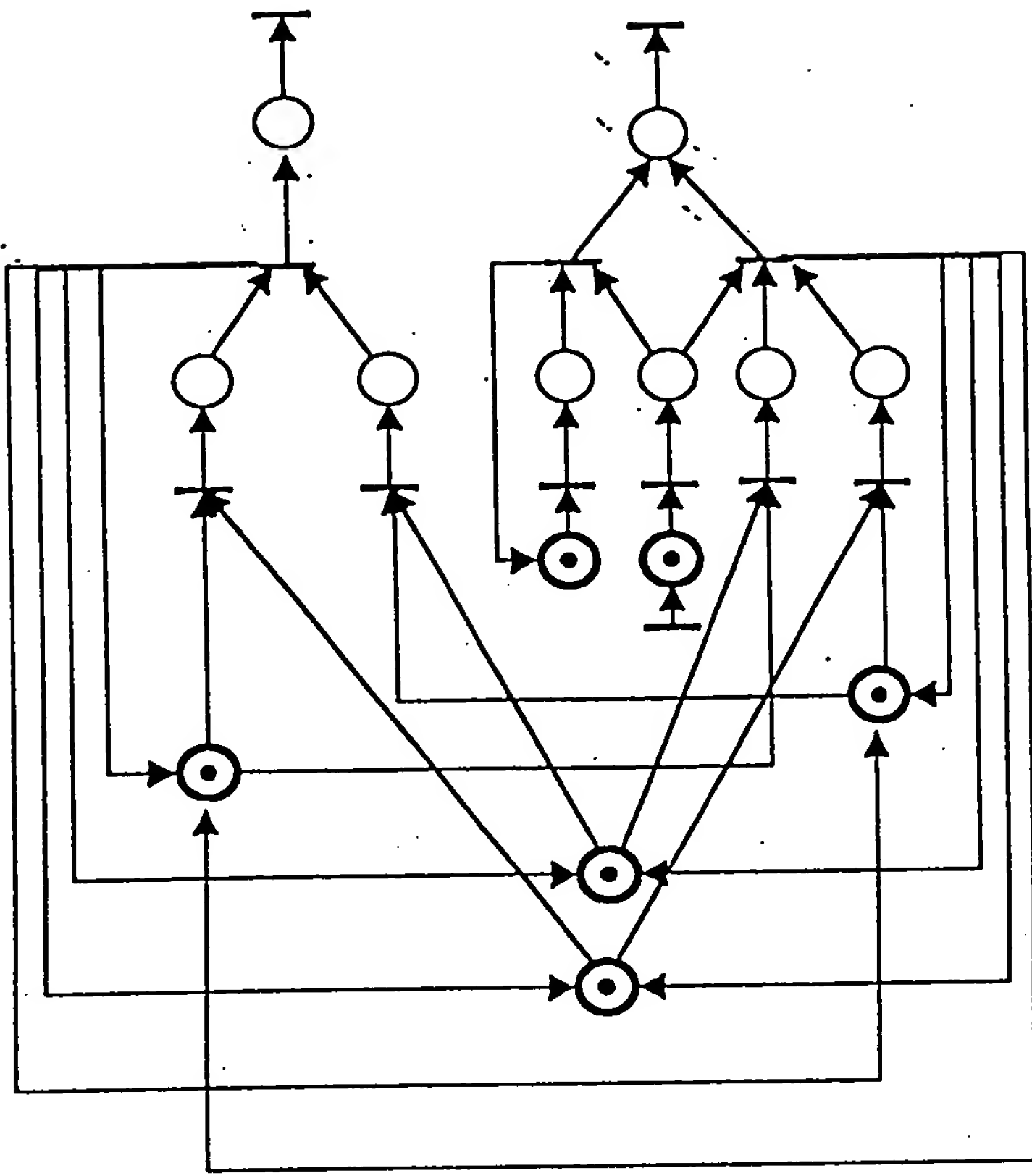
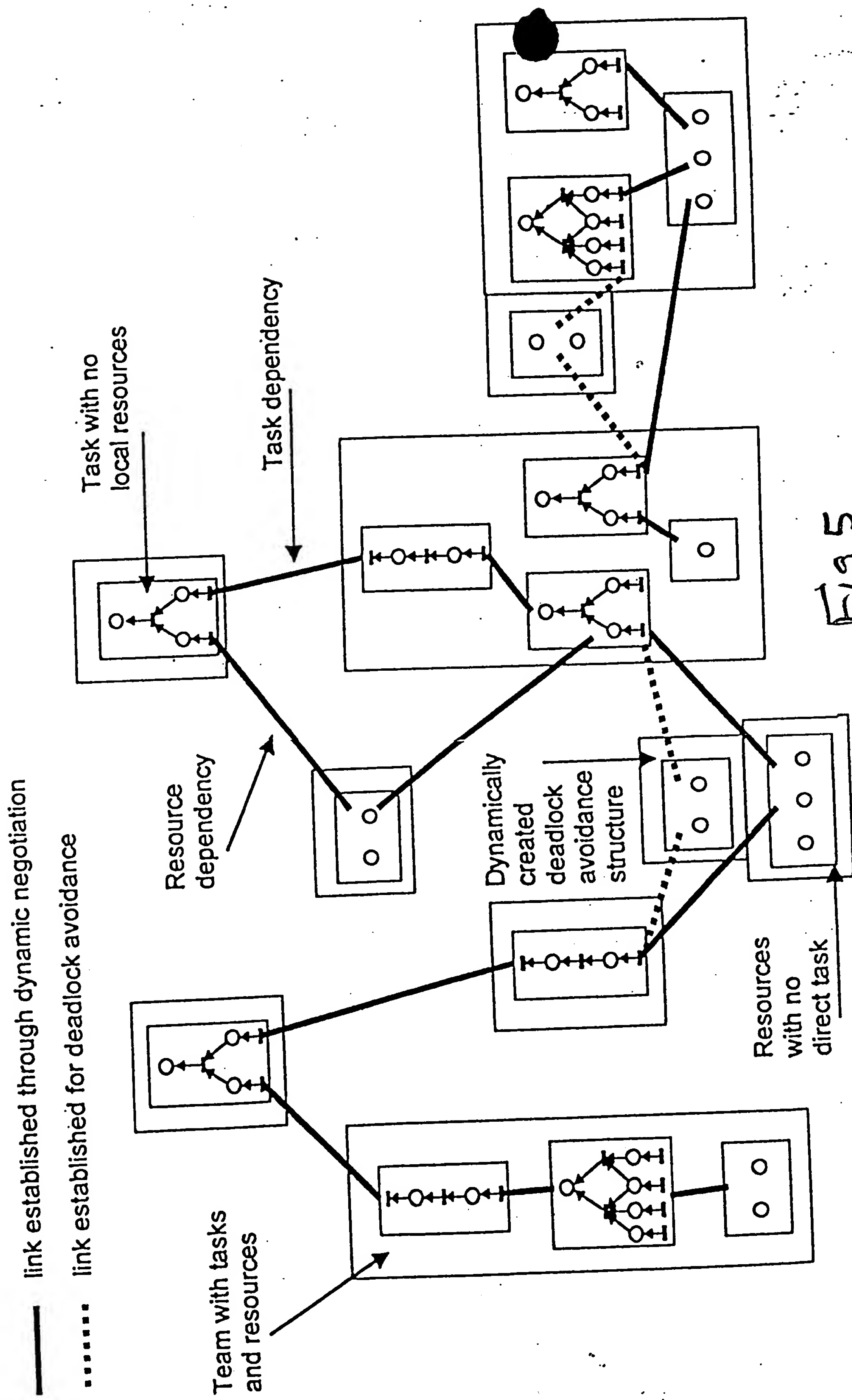


Fig 4(b)



505

Fig. 6 Network of central authority and agent machines

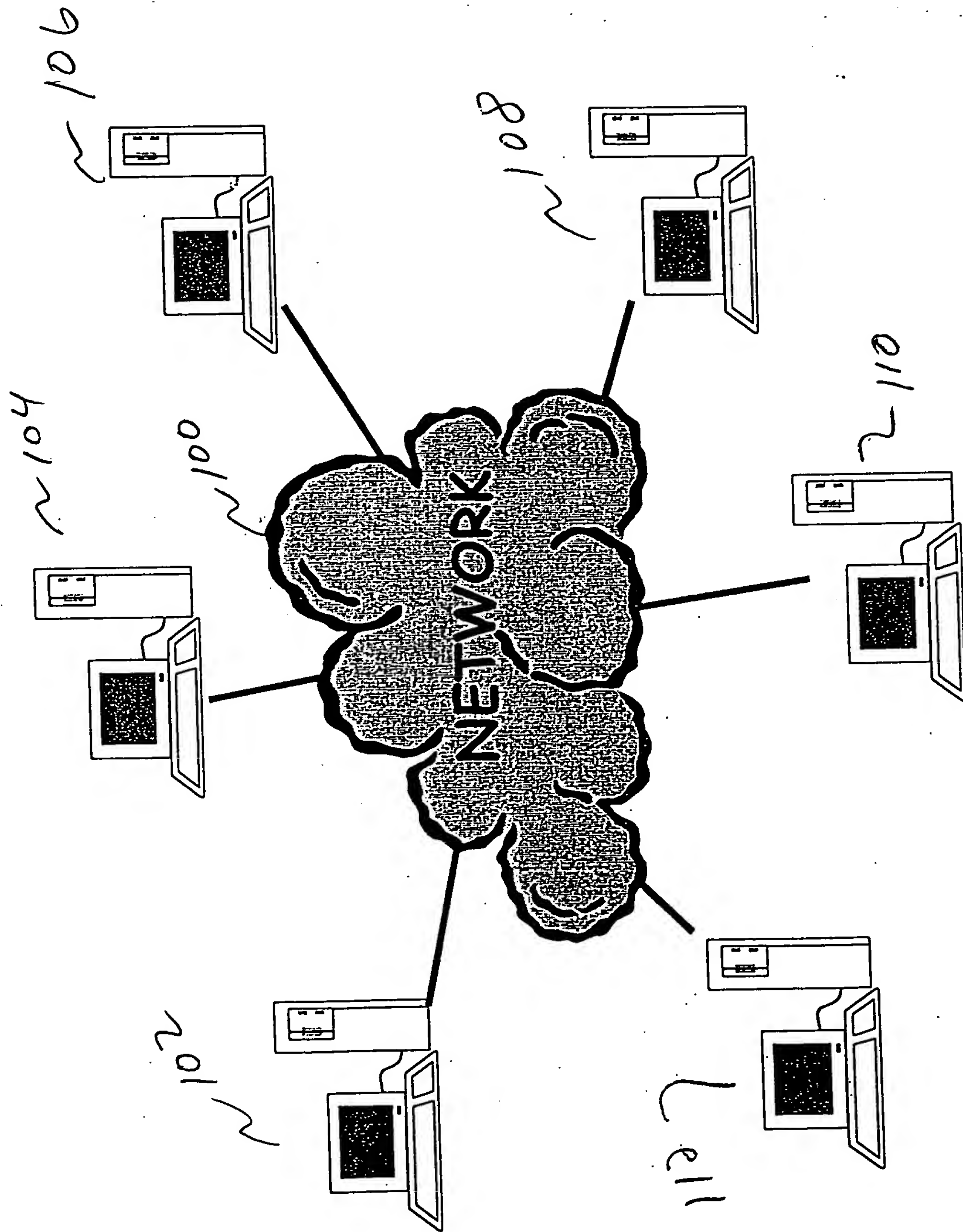


Fig. 7 Platform hardware

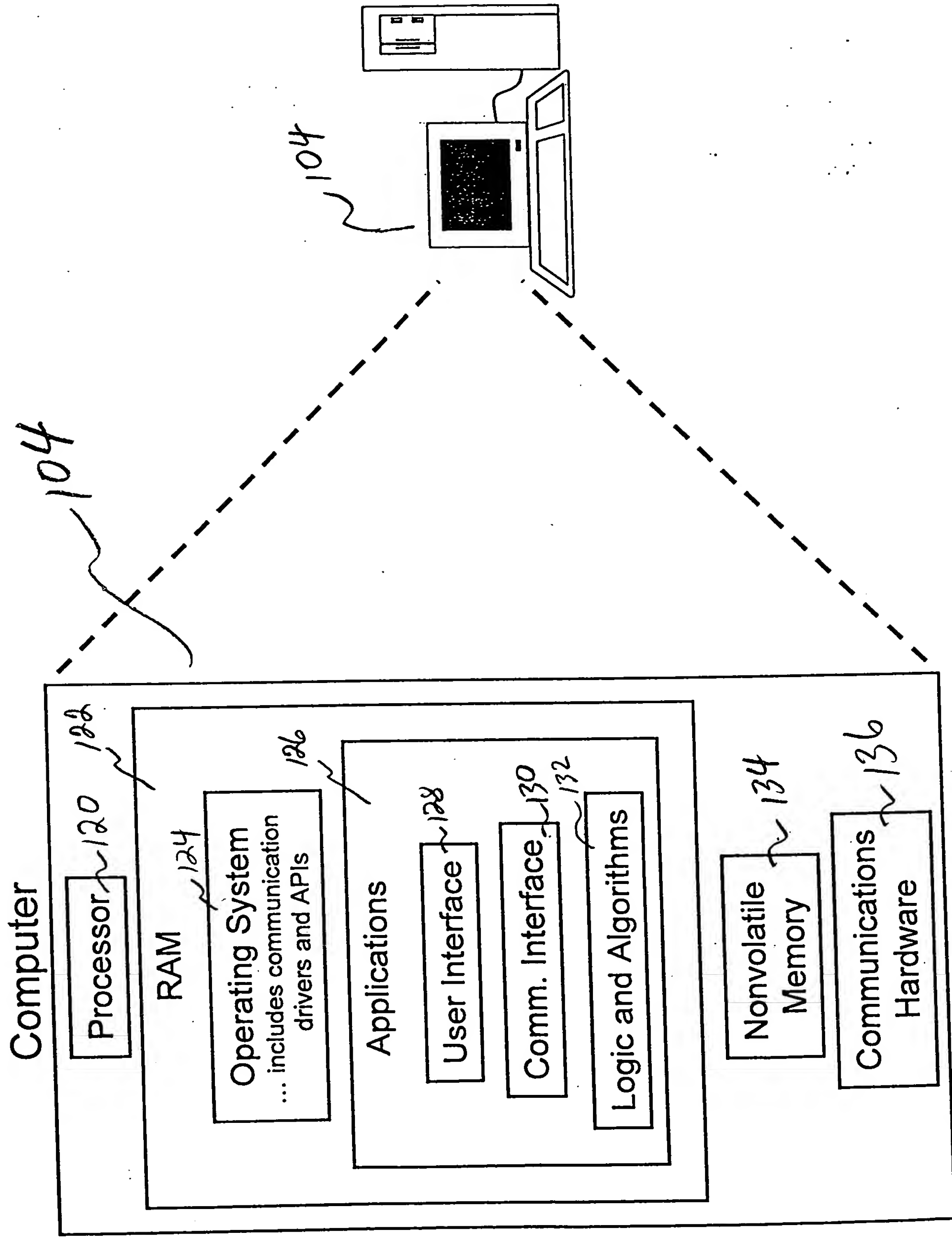


Fig. 8 Strategic Layer / Central Authority - Inputs and Outputs

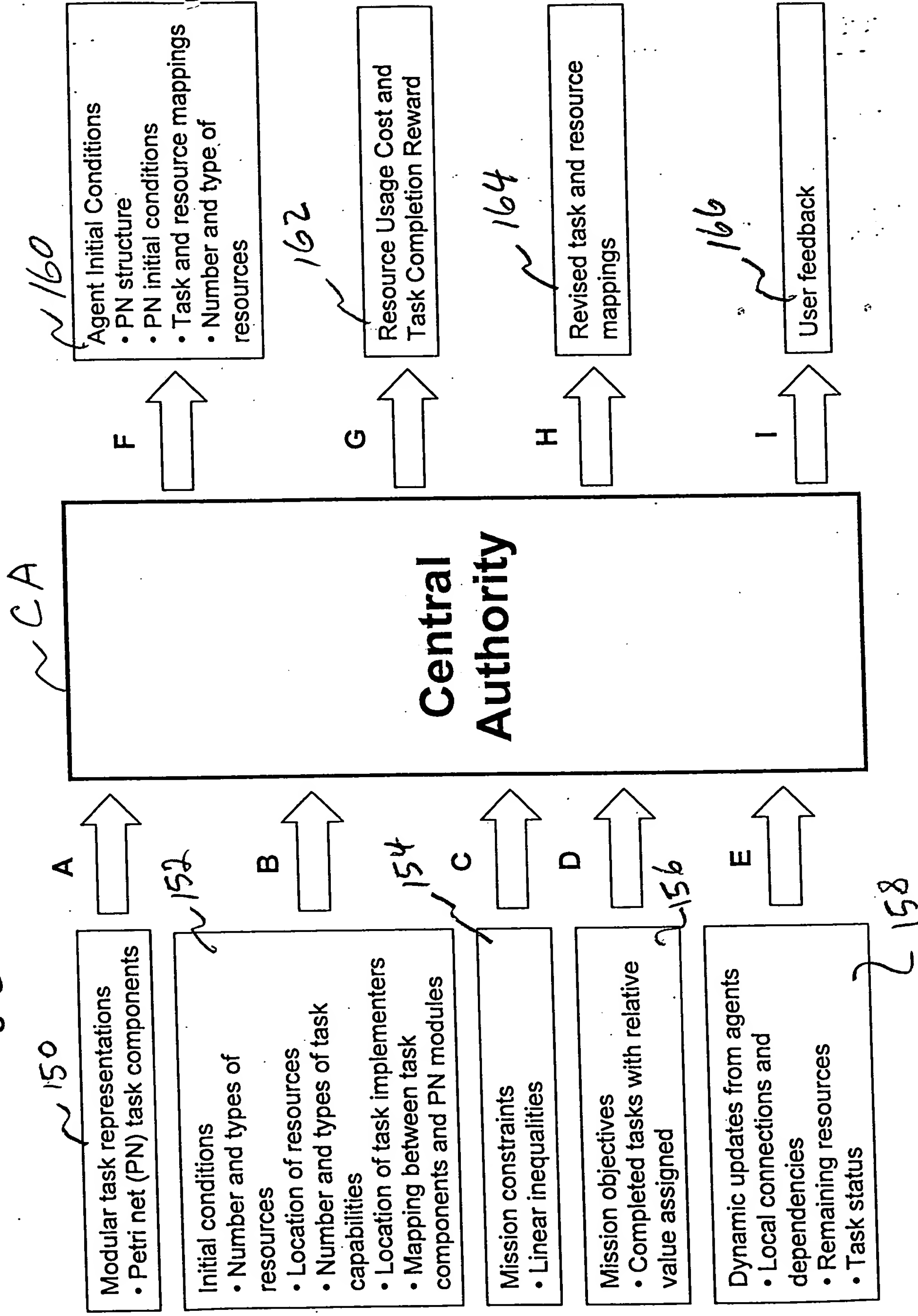




Fig. 9 Tactical Layer / Autonomous Agents - Inputs and Outputs

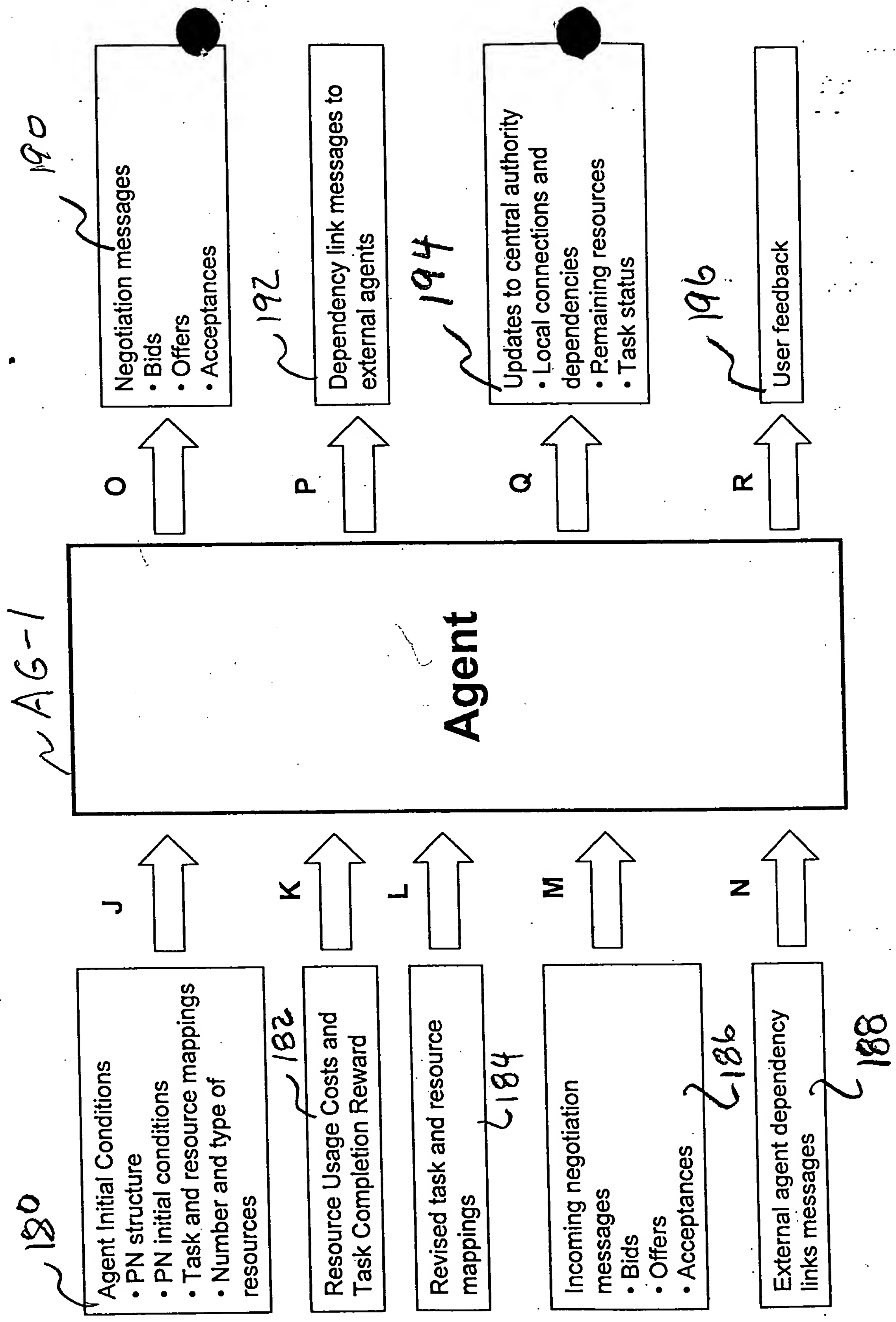


Fig. 10 Interconnections of Central Authority and Autonomous Agents

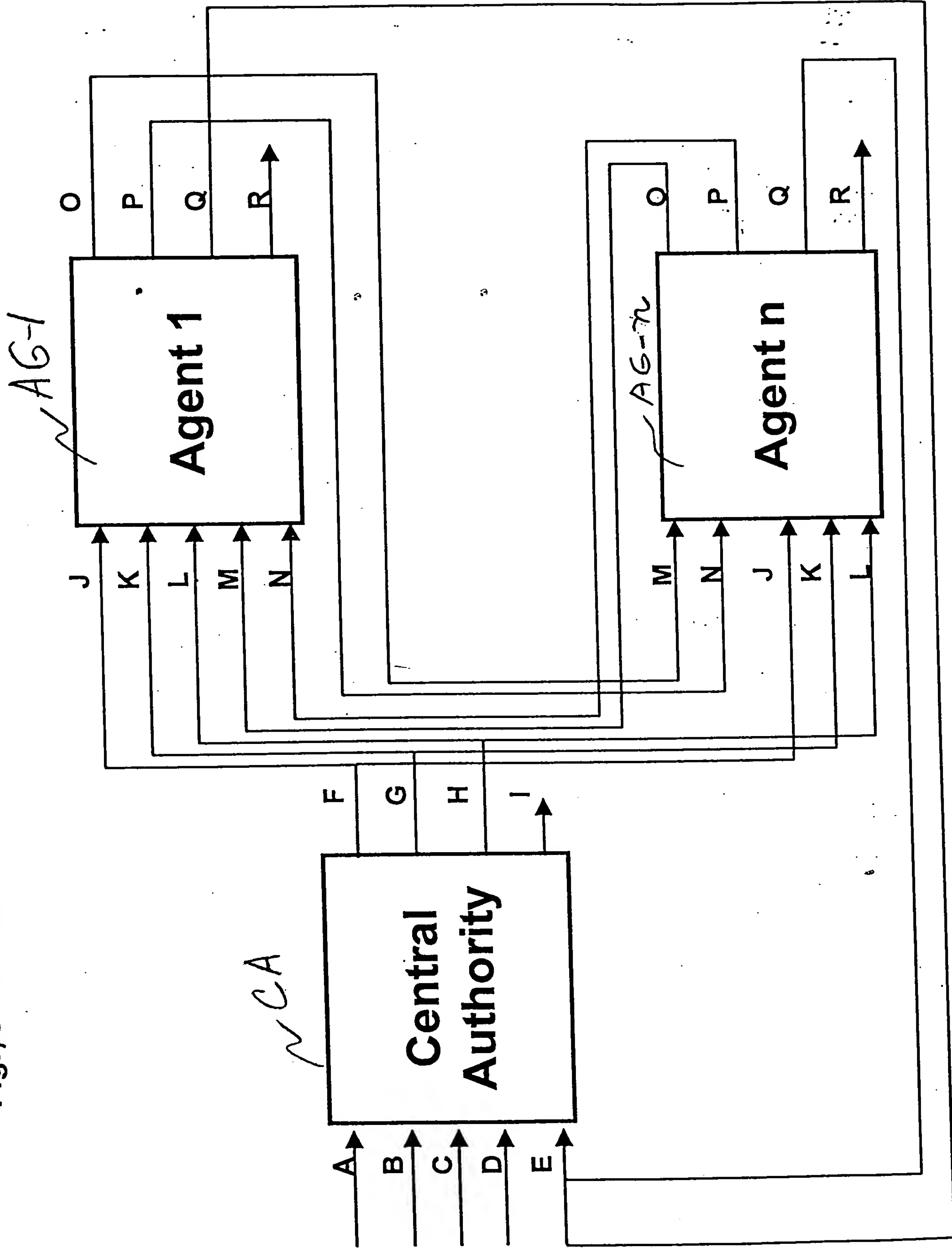


Fig. 11 Algorithm: Strategic Layer / Central Authority - Part 1

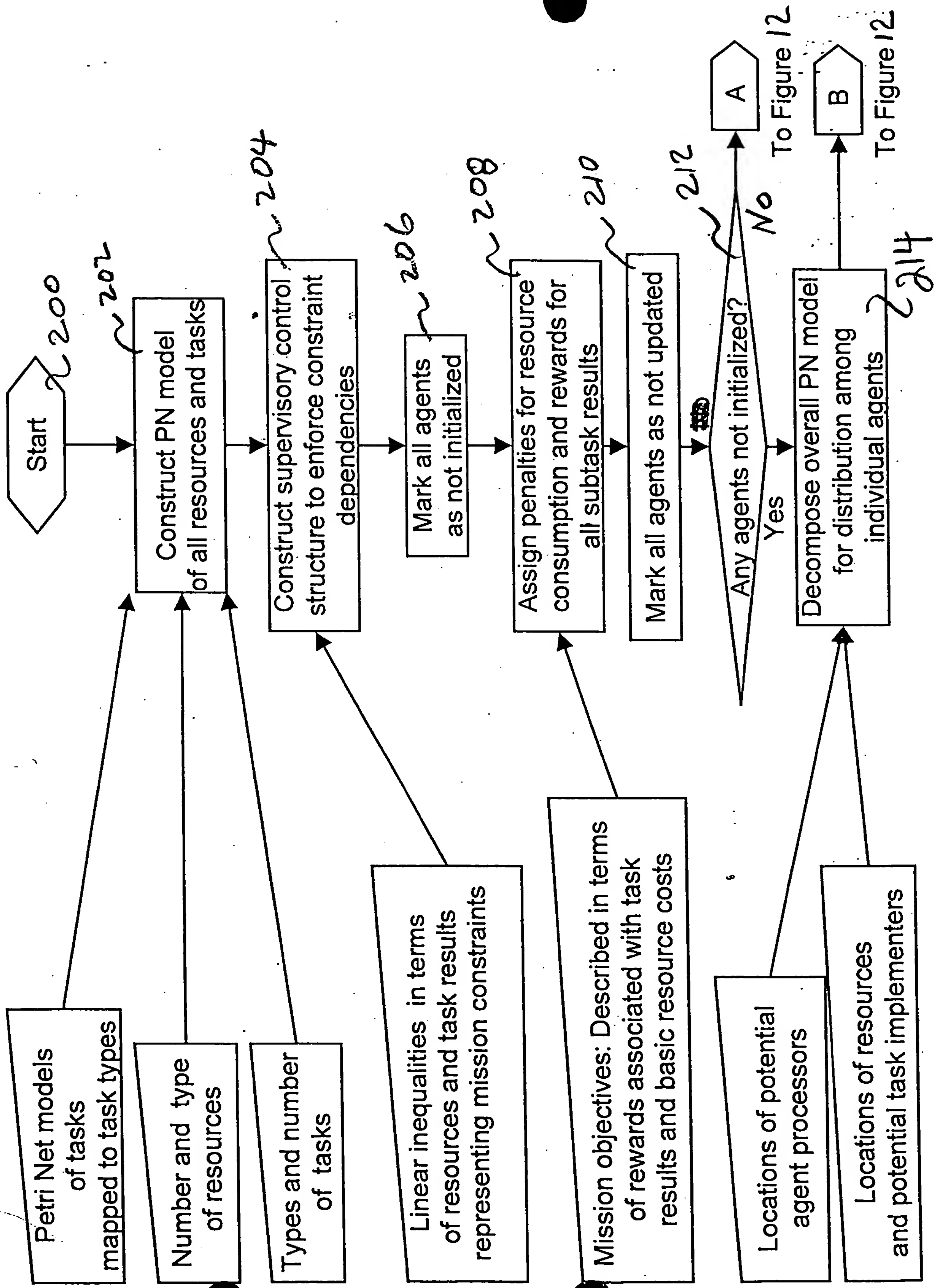
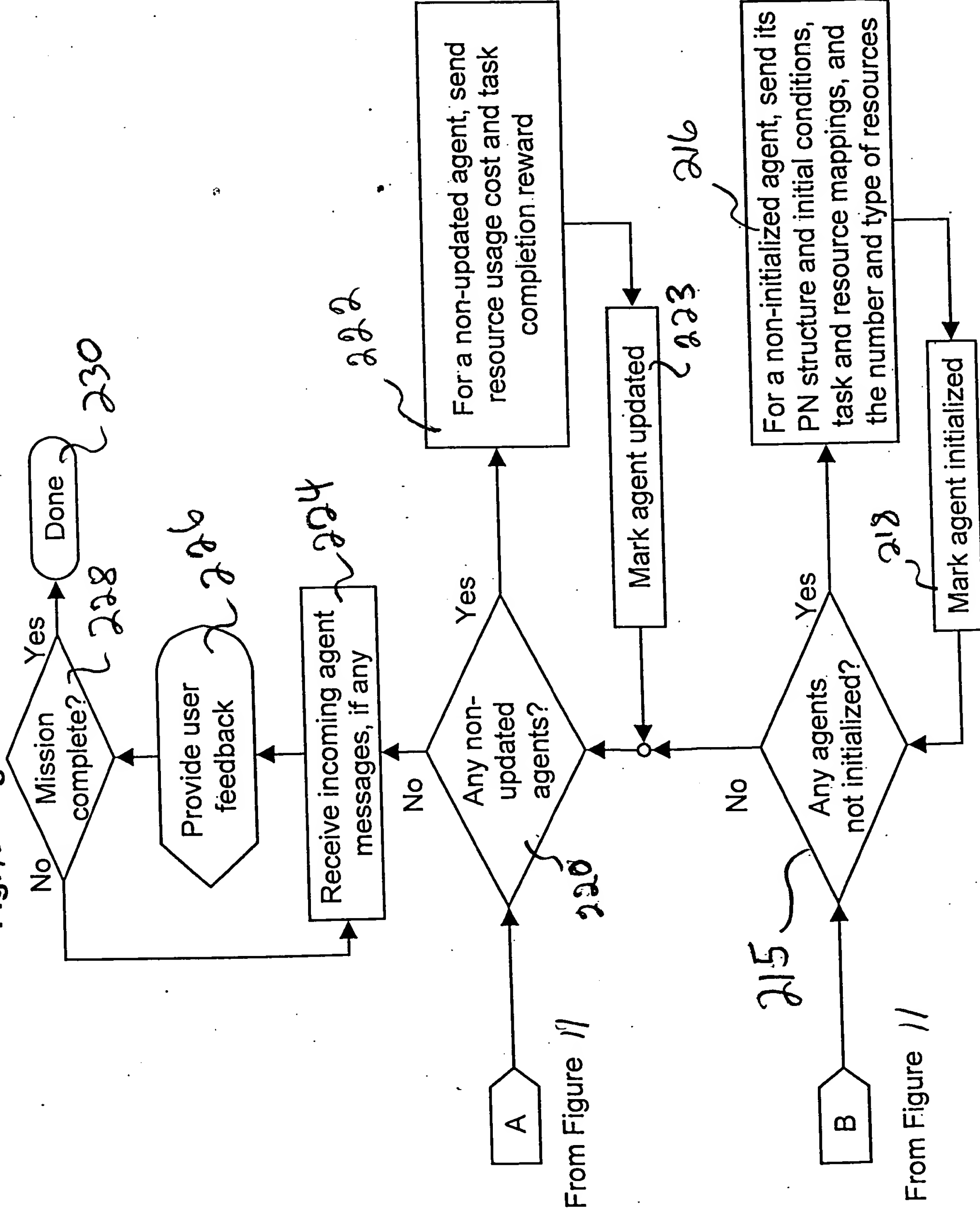


Fig. 12 Algorithm: Strategic Layer / Central Authority - Part 2



## Fig. 13 Algorithm: Tactical Layer / Autonomous Agents - Part 1

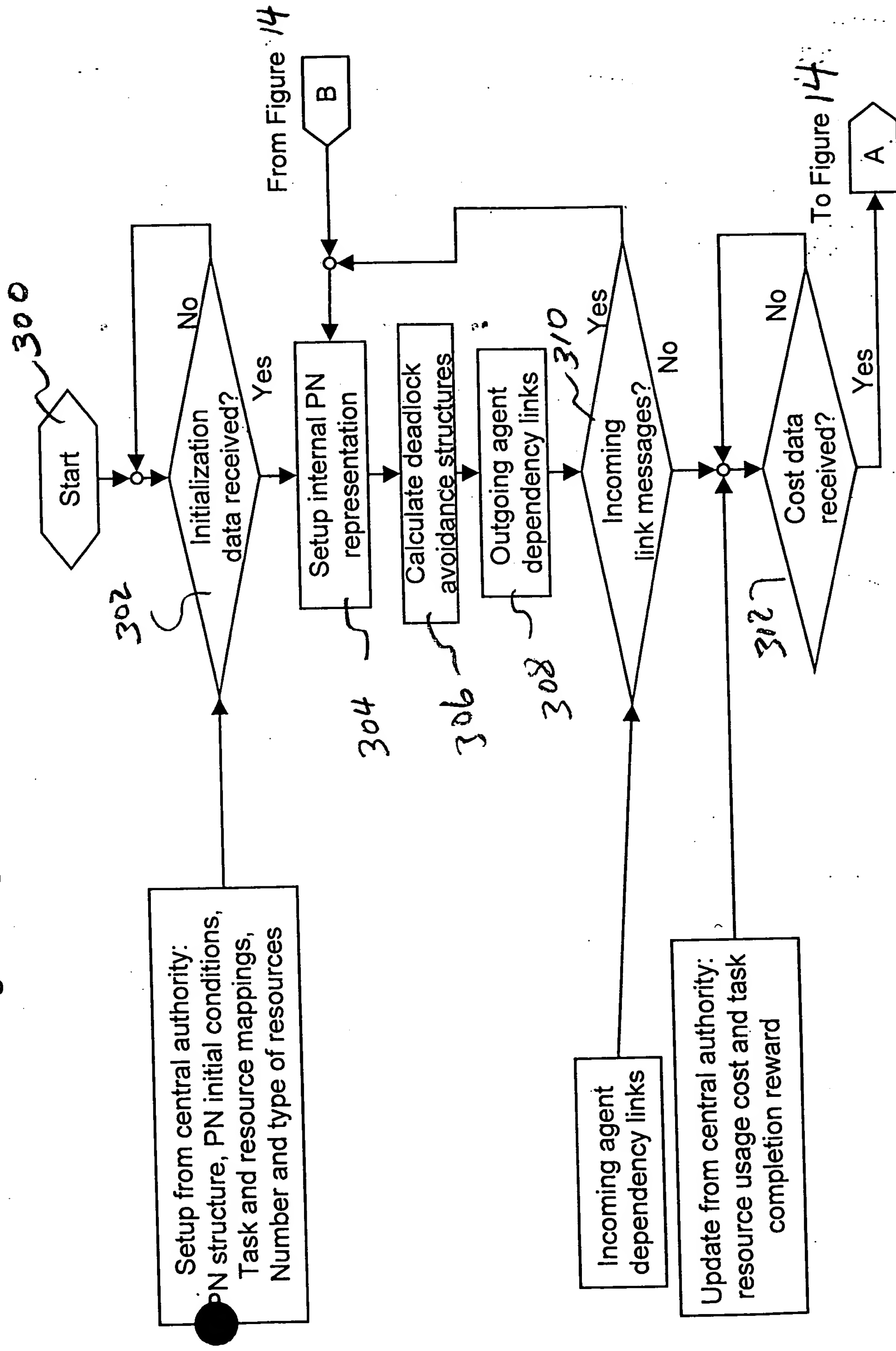
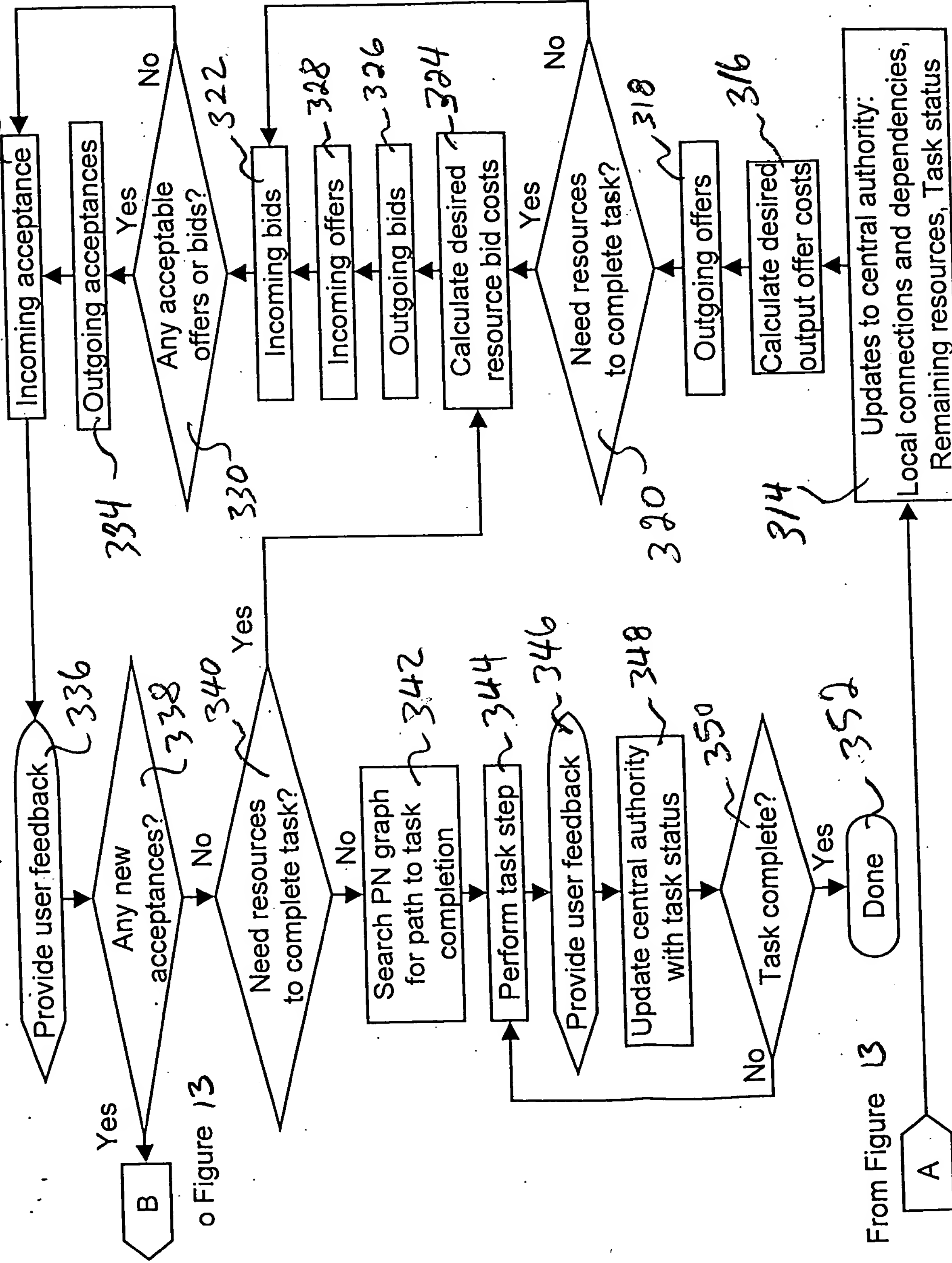


Fig. 14 - Algorithm: Tactical Layer / Autonomous Agents - Part 2 332



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